

## Ruby 1.8 - Bug #1973

### PTY module ignores exception handling block; renders Expect useless

08/21/2009 10:48 AM - sfalvo (Samuel Falvo)

<b>Status:</b>	Open
<b>Priority:</b>	Normal
<b>Assignee:</b>	
<b>Target version:</b>	
<b>ruby -v:</b>	ruby 1.8.6 (2008-08-11 patchlevel 287) [universal-darwin9.0]

**Description**

=begin  
I am attempting to control several servers remotely using SSH and Ruby's expect module. Please see the following code:

```
128   print "Configuring #{host}..."
129
130   begin
131     reader, writer, pid = PTY.spawn("scp #{@configFile1} #{@configFile2} #{@user}@#{host}:")
132     reader.sync = true
133     writer.sync = true
134
135     reader.expect(/[pP]assword:|Are you sure/) do |rArray|
136       response = rArray[0]
137
138       if response =~ /Are you sure/
139         writer.puts "yes"
140       elsif response =~ /[pP]assword:/
141         writer.puts @password
142       else
143         puts "WARNING: unrecognized response: #{response}"
144       end
145     end
146   rescue PTY::ChildExited
147     puts "Swallowing PTY::ChildExited"
148   ensure
149     sleep(3) # Give it 3 seconds to complete.
150     Process.kill('KILL', pid)
151   end
```

Attempting to execute this code results in an exception report:

```
Configuring myhost.mydomain.com....../deploy-dist-config.rb:131:in run': pty - exited: 6879 (PTY::ChildExited)
from ./geploy-dist-config.rb:127:ineach'
from ./geploy-dist-config.rb:127:in `run'
from ./geploy-dist-config.rb:200
```

Notice that it's resulting in an exception EVEN THOUGH I have wrapped the code in a begin/rescue/ensure/end block!! I might as well not even have the begin/end block at all.

Trying to use Process#waitpid results in an eternal hang of my session. Thus, the ONLY way recycle PTYs is to explicitly kill the process that PTY.spawn launched. :-)

This is a deal-breaker for me; if I cannot find a work-around to this, I'm afraid I have to rewrite my software in another language and slip my schedule. I *really* pray I don't have to do that. I know an emergency on my part doesn't constitute an emergency on your part, but if I can be contacted about this as soon as possible, I would be much obliged. This is blocking a corporate demo.

Thank you for your time and considerations.

=end